

For Research Use Only

# PSMD2 Monoclonal antibody, PBS Only

Catalog Number: 67770-1-PBS



## Basic Information

<b>Catalog Number:</b> 67770-1-PBS	<b>GenBank Accession Number:</b> BC002368	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5708	<b>CloneNo.:</b> 1G7G5
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q13200	
<b>Isotype:</b> IgG2a	<b>Full Name:</b> proteasome (prosome, macropain) 26S subunit, non-ATPase, 2	
<b>Immunogen Catalog Number:</b> AG6543	<b>Calculated MW:</b> 100 kDa	
	<b>Observed MW:</b> 100 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## Background Information

Tumor necrosis factor type 1 receptor-associated protein 2 (TRAP2), encoded by PSMD2 gene, is a non-ATPase regulatory subunit of the 26 proteasome which is involved in the ATP-dependent degradation of ubiquitinated proteins. The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. TRAP2 may also participate in the TNF signalling pathway since it interacts with the tumor necrosis factor type 1 receptor.

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

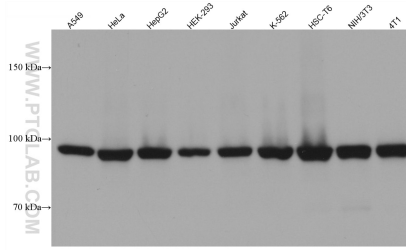
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67770-1-Ig (PSMD2 antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67770-1-PBS in a different storage buffer formulation.